

NAVSHIPREPFAC YOKOSUKA
LOCAL STANDARD ITEM

FY-00

ITEM NO: 099-23YO
DATE: 01 JUL 1998
CATEGORY: II

1. SCOPE:

1.1 Title: Interferences; remove and install

2. REFERENCES:

- a. NAVSHIPREPFAC Yokosuka Local Standard Items
- b. S9086-RK-010/CH-505, Piping Systems
- c. S9086-VG-STM-010/CH-634, Deck Coverings

3. REQUIREMENTS:

3.1 Do not remove components from the following systems as interferences, except when the scope of work requires repairs to components of these systems or when specified in the Work Item:

3.1.1 Main steam and catapult systems.

3.1.2 Gaseous oxygen piping systems which operate at pressures higher than 100 PSIG, liquid oxygen piping from oxygen plant to the liquid oxygen charging carts, and the overboard drain piping from the liquid oxygen storage plant to spillage drain.

3.1.3 Degaussing systems.

3.1.4 Electric cables which cannot be removed without cutting.

3.1.5 Hydraulic systems.

3.1.6 High pressure air systems. High pressure air systems are those systems designed for pressures of 1000 PSIG or greater.

3.1.7 Life support systems.

3.1.8 Cryogenic systems.

3.1.9 Spring Hangers.

3.1.10 Ship's strength members involving structural integrity.

3.1.11 Halon systems.

3.1.12 Level I systems.

3.1.13 Sonar dome pressurization system.

3.1.14 Passive countermeasure materials.

3.1.15 Fragmentation protection (secondary sheathing).

3.2 Submit four legible copies of a report of components of the systems listed in 3.1 that must be removed as interferences and the work is not required by the Work Item, to NAVSHIPREPFAC. The report shall list the following information:

3.2.1 Identification of the item to be removed or disturbed.

3.2.2 Necessity for the action.

3.2.3 Protective measures which will be taken to protect equipment from damage or contamination.

3.2.4 Alignment procedures and details for tests which will be accomplished to verify acceptability after reinstallation.

3.3 NAVSHIPREPFAC will review and respond to the report required by 3.2 and if removal of the components is approved, an appropriate change to the Work Item will be prepared.

3.4 Visually examine interferences prior to and during removal for previous damage and deterioration.

3.4.1 Submit four legible copies of a report listing previously damaged and deteriorated interferences within five working days after removal to NAVSHIPREPFAC.

3.5 Material containing asbestos which requires removal as an interference shall not be reinstalled.

3.5.1 Submit four legible copies of a report to NAVSHIPREPFAC, listing location and system identification of asbestos removed and non-asbestos installed which has not been identified elsewhere in the Job Order.

3.6 Accomplish the requirements of 099-05YO of 2.a for accesses that the contractor may elect to make as an option to the invoking Work Item.

3.7 Remove interferences.

3.7.1 Protect interferences from damage or loss and prevent contamination of removed components and remaining parts of

the system.

3.7.2 Install identification tags on interferences to indicate the ship's name, hull number, location, and Work Item number prior to removal from system or shipboard location. Tags must endure repair process.

3.7.3 Remove existing insulation and lagging including reusable covers as interference.

3.7.3.1 Accomplish the requirements of 099-11YO of 2.a.

3.8 Reinstall interferences.

3.8.1 Install interferences which were neither reported as previously damaged or deteriorated nor rendered unsuitable for reinstallation during removal.

3.8.2 Install interferences reported in 3.4.1 in the as found condition or after authorized repairs have been accomplished.

3.8.3 Install new material in place of material rendered unsuitable for reinstallation during removal or storage.

3.8.3.1 New material shall be equal in composition, strength, design, type, and size as existed prior to removal of the interferences.

3.8.4 Accomplish the requirements of 099-12YO of 2.a.

3.8.5 Accomplish the requirements of 099-71YO of 2.a for non-mechanical joints.

3.8.5.1 Test pressure and test medium shall be in accordance with 2.b.

3.8.6 Accomplish the requirements of 099-37YO of 2.a.

3.8.7 Install new insulation and lagging in place of that removed as interference.

3.8.7.1 Install new reusable covers except when reinstallation of existing reusable covers is listed in the invoking Work Item.

3.8.7.2 Accomplish the requirements of 099-11YO of 2.a.

3.8.8 Install new silicone coated aluminized cloth spray shields on mechanical joints and components in accordance with ASTM-F-1138 in place of those removed as interference.

3.8.9 Install new fasteners and gaskets when reinstalling interferences.

3.8.10 Accomplish the requirements of 099-32YO of 2.a for new and disturbed surfaces.

3.8.11 Restore compartment, equipment, and systems labeling.

3.8.12 Install new deck covering in place of that removed or damaged as interference in accordance with 2.c.

3.8.12.1 New material shall be equal to existing in color and composition.

(V)(G) "STRENGTH, TIGHTNESS, AND OPERATIONAL TESTS"

3.9 Align and accomplish appropriate strength, tightness, system cleanliness, and operational tests and ensure that the reinstalled interferences perform their normal functions within the system.

3.9.1 Tests shall be identified in the contractor's inspection system.

4. NOTES:

4.1 An interference is any part of a ship, whether installed or portable, that must be moved or disturbed in the accomplishment of work specified in the Job Order.

4.2 Fragmentation protection (secondary sheathing) in 3.1.15 applies to DDG-51 Class ships only.